



POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS

RECEIVED

MAR 22 2004

GROUP 3

Honorable Commissioner of
 Patents and Trademarks
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

As assignee of record of the entire right, title, and interest, the undersigned corporation hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of Staas & Halsey LLP, under USPTO customer No. 21,171, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1001	09/944,589	September 4, 2001	Takayuki NORIMATSU	WHEEL BEARING ASSEMBLY
1761.1002	09/993,715	November 27, 2001	Yoshihisa KUDO, et al.	WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY
1761.1003	10/300,902	November 21, 2002	Kazuyoshi HARIMOTO, et al.	CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD
1761.1004	09/880,931	June 15, 2001	Yasuhiro GOTOU, et al.	MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM
1761.1005	09/995,678	November 29, 2001	Takashi HOSOYA, et al.	CONSTANT VELOCITY UNIVERSAL JOINT
1761.1006	10/387,563	March 14, 2003	Yoshio FUJIKAWA, et al.	BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME POSITION
1761.1007	10/377,755	March 4, 2003	Kenichi IWAMOTO, et al.	BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR
1761.1008	10/382,505	March 7, 2003	Masatoshi MIZUTANI, et al.	ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1009	10/299,836	November 20, 2002	Katsufumi ABE	ROCKER ARM
1761.1010	10/059,249	January 31, 2002	Masatoshi NIINA	SHELL TYPE ROLLER BEARING ASSEMBLY
1761.1011	10/098,369	March 18, 2002	Yasuaki TAKAHASHI, et al.	CAGED ROLLER ASSEMBLY AND REDUCTION GEAR UNIT USING THE SAME
1761.1012	10/634,762	August 3, 2003	Masahiko KATAOKA, et al.	ROCKER ARM
1761.1013	10/382,656	March 7, 2003	Toru TAKAHASHI, et al.	ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME
1761.1014	10/377,757	March 4, 2003	Hidehiko NISHIJIMA, et al.	FOIL BEARING AND SPINDLE DEVICE USING THE SAME
1761.1015	10/090,752	March 6, 2002	Hisashi OHTSUKI, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1016	09/972,949	October 10, 2001	Ryutaro OKA	BEARING ASSEMBLY WITH TEMPERATURE SENSOR
1761.1017	10/321,553	December 18, 2002	Takashi KOIKE, et al.	SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME
1761.1018	10/251,800	September 23, 2002	Tatsuo NAKAJIMA	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1019	10/091,579	March 7, 2002	Koichi OKADA, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1020	10/013,552	December 13, 2001	Takashi NOZAKI, et al.	WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL
1761.1021	09/709,390	November 13, 2000	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1021D	10/607,198	June 27, 2003	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1022	10/185,015	July 1, 2002	Kanji NAKAMURA, et al.	GRINDING SLUDGE COMPACTING MACHINE
1761.1023	10/244,472	September 17, 2002	Takayuki NORIMATSU	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1024	09/989,458	November 21, 2001	Isamu YOSHIDA, et al.	POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1025	09/835,390	April 17, 2001	Shoji ITOMI	ROTATIONAL ANGLE SENSOR ASSEMBLY
1761.1026	10/621,404	July 18, 2003	Sadaji KATOGI, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1027	10/033,910	January 3, 2002	Michio IIHARA, et al.	METHOD OF MANUFACTURING OUTER RACES FOR TRIPOD-TYPE CONSTANT VELOCITY UNIVERSAL JOINTS
1761.1028	10/317,114	December 12, 2002	Koichi OKADA	VEHICLE MOUNTED BEARING ASSEMBLY
1761.1029	09/838,340	April 20, 2001	Kanji NAKAMURA, et al.	RECYCLE OF GRINDING SLUDGE
1761.1031	09/638,019	August 15, 2000	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1031D	10/254,579	September 26, 2002	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1048	10/649,675	August 28, 2003	Katsafumi ABE	ROCKER ARM
1761.1049	10/654,965	September 5, 2003	Hisashi OHTSUKI	WHEEL SUPPORT BEARING ASSEMBLY

All correspondence and telephone communications should be directed to:

STAAS & HALSEY LLP
 1201 New York Avenue, N.W.
 Suite 700
 Washington, D.D. 20005
 Telephone: (202) 434-1512
 Facsimile: (202) 434.1501

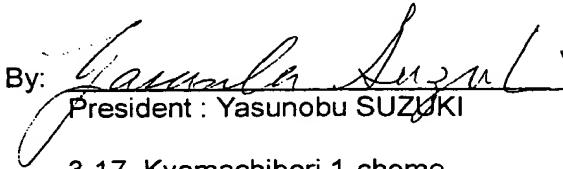
USPTO Customer No. 21171

ASSIGNEE CERTIFICATION

The undersigned assignee further states that the registered attorneys and/or agents, identified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. §3.73(b) on behalf of the assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

NTN CORPORATION

Dated November 7, 2003

By: 
 President : Yasunobu SUZUKI

3-17, Kyomachibori 1-chome
 Nishi-ku, Osaka-shi, Osaka 550-0003
 JAPAN